USER'S MANUAL

Products Specifications

for
osCommerce Online Merchant v2.3.1

Version 1.1.11
September 2011

REVISION HISTORY

Release No.	Date	Revision Description
0.1	05/23/09	Original release. Alpha code, posted to comply with the forum requirements for discussing code. Otherwise mostly broken.
0.1.1	05/26/09	Updated database and admin files.
0.2	06/15/09	Database and some Admin code now working. Added Admin functions (except filters) and the Product Info table.
0.3	06/26/09	Bugfixes and database changes. Added the Comparison table.
0.3.1	06/27/09	Bugfixes. Added links to Comparison table.
0.3.2	06/29/09	More bugfixes.
0.3.3	06/30/09	More bugfixes and added a missing file.
0.3.4	07/06/09	Really added the missing file this time.
0.4	07/09/09	Added Filter code, filters box and results page. Squashed more bugs.
0.4.1	07/10/09	Added missing file.
0.4.2	07/11/09	Fixed more bugs. Added language files.
0.4.3	07/13/09	Fixed more bugs.
0.4.4	07/17/09	Fixed more bugs.
0.5	07/27/09	Added Specification Values code. Added code to allow multiple values per specification per product. Fixed more bugs.
0.5.1	08/06/09	Fixed all known bugs. Added Manufacturer import and Sort functions to Filters.
0.5.2	08/12/09	Added option to filter products in subcategories. Fixed all known bugs.
0.9rc1	08/25/09	Added Filter Counts, option to disable or remove Filters that would return no result, tabbed display on the Product Info page, and alternate Product Info page Fixed all known bugs
0.9rc2	08/25/09	Fixed Range Filter bug.
0.9rc3	08/26/09	Added Final Price option, fixed minor bugs.
0.9rc4	08/27/09	Fixed minor bugs in Admin.
0.9rc5	09/01/09	Fixed more bugs.
0.9rc6	09/08/09	Fixed more bugs.
1.0'	09/12/09	Final release
1.0.1	09/17/09	Fixed bugs.
1.0.2	11/01/10	Fixed bugs, added Accessories and Documents tabs, updated manual
1.1	7/17/11	Updated to osCommerce version 2.3.1
1.1.1	7/25/11	Bugfixes and added missing images
1.1.2	7/26/11	Bugfixes
1.1.3	7/31/11	Bugfix and added missing language file
1.1.4	8/6/11	Bugfixes.
1.1.5	8/10/11	Bugfixes.

Release No.	Date	Revision Description
1.1.6	8/10/11	More Bugfixes.
1.1.7	8/15/11	Still more bugfixes.
1.1.8	8/24/11	Yet more bugfixes.
1.1.9	9/2/11	Bugfix and a missing file.
1.1.10	9/4/11	Bugfixes.
1.1.11	9/4/11	Son of bugfixes.

osCommerce Online Merchant

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1.0 GENERAL INFORMATION

1. GENERAL INFORMATION

1.1 System Overview

This addon allows the addition of an unlimited number of specifications to your site's products. Specifications can be any information about the product that your customers might be interested in. These Specifications can be used for:

- A list of specifications on the Product Info page for every product that you want to have them.
- A comparison table showing the specifications of a group of products. This allows your customers to compare the important features of a group of products.
- A set of filters to allow the customer to show only products that meet certain criteria. This could be all AGP video cards with 256MB of memory, the parts for a 1992 Yugo, or anything else you might want to set up. Filters are a very powerful tool for your customers to find products that they want to buy.

All specifications can be grouped to any product category, or even several categories. This allows the store to deliver information tailored to the products the customer is looking for. The software is designed to be flexible, so you can design your store for maximum conversion.

1.2 Software Compatibility

This software package was tested using osCommerce Version 2.3.1. If you are running an older version, please use version 1.0.2 of this package. **This version will not work with 2.2RC2a and older versions.**

1.3 Terminology

1.3.1 Definition of Terms

This manual uses some terms that are not common to osCommerce. The following definitions are important to understanding the rest of this document.

Filter	Filters are used to select products with a specification value that matches the filter. The result of applying one or more Filters is shown on a new page.
Product Comparison	This table shows the Product Specification values for each Product in the selected Category. The table can be in a separate page or replacing the Product Listing module for the Category.
Product Specification	This is the data for a given specification for a given product.
Specification	A specification is a new data field that is added to a product. Specifications may be displayed and used in a variety of ways. Specifications are the core feature of this software package.
Specification Group	An arbitrary group of specifications. Groups are used to associate specifications with one or more product categories.
Tabs	Your specifications can be displayed on your Product Info page in a tabbed content box. This box allows a large amount of information to be displayed without making the page long or difficult to navigate.

1.3.2 Acronyms and Abbreviations

RTFM	Read The Fine Manual. Seriously. Read the whole thing. Now.

1.4 Support

Read this manual first. Read the Troubleshooting section if you are seeing error messages or if the code isn't working the way this manual says it should. If you can't find it here, check the support thread in the osCommerce forum at: http://forums.oscommerce.com/index.php?showtopic=344692

1.5 Bug Reports

Bug reports and requests for new features can be made at the osCommerce Forum development thread: http://forums.oscommerce.com/index.php?showtopic=336920

Please note that this is open source software. You are free to create any modifications of this software that you wish, provided that you adhere to the terms of the software license. This does not mean that we are required to create such modifications for you. We might, if you ask nicely, and we feel there is a sufficient demand for your change. If you're the only person who wants this, you're still free to make those changes yourself.

2.0 INSTALLATION

2. INSTALLATION

2.1 Backup

Backup your database and your files. Backup to a different computer than your store runs on. Do it now. Continue doing this throughout the life of your store. Yes, it's that **critically important**.

2.2 Files

2.2.1 Replace Files

Update your store using the files below. If you are starting with an unmodified copy of osCommerce 2.2RC2a, you can simply upload all of the files in the Catalog directory of this Distribution to your site, copying over any existing files. You can now skip to the Database section of these instructions. For the rest of you, read on.

2.2.2 Modify Files

You can start by uploading all of the new files listed in 2.2.3 below. Then replace or modify all of the file in 2.2.4. Of course you should only replace a file if your existing copy is unmodified and it is the same revision as the file you are replacing it with.

For modifying your previously modified files, I recommend a good file comparison utility, such as Beyond Compare, WinMerge, or Meld. The changes to the existing files in this distribution are marked with `// Products Specifications` for single line changes and

```
// Start Products Specifications
<code>
// End Products Specifications
```

for multiline changes.

2.2.3 Possible Conflicts

There are no known conflicts with other Addons that cannot be resolved by proper installation. However, the Product Extra Fields Addon duplicates part of this one, so you should only try to install one or the other.

2.2.4 New files

catalog/admin/products_specifications.php
catalog/admin/images/icons/blank.png
catalog/admin/images/icons/folder_blue.png

catalog/admin/includes/functions/products_specifications.php
catalog/admin/includes/languages/english/products_specifications.php

catalog/admin/includes/modules/products_specifications.php
catalog/admin/includes/modules/products_specifications_input.php
catalog/admin/includes/modules/products_tabs.php

catalog/comparison.php
catalog/products_filter.php
catalog/includes/boxes/products_filter.php
catalog/includes/classes/specifications.php
catalog/includes/functions/products_specifications.php
catalog/includes/languages/english/comparison.php
catalog/includes/languages/english/products_filter.php
catalog/includes/modules/ask_a_question.php
catalog/includes/modules/comparison.php
catalog/includes/modules/comparison_horiz.php
catalog/includes/modules/product_attributes.php
catalog/includes/modules/product_info_process.php
catalog/includes/modules/product_reviews.php
catalog/includes/modules/products_accessories.php
catalog/includes/modules/products_filter.php
catalog/includes/modules/products_specifications.php
catalog/includes/modules/products_tabs.php
catalog/includes/modules/boxes/bm_products_filter.php

2.2.5 Modified Files

catalog/admin/categories.php
catalog/admin/includes/database_tables.php
catalog/admin/includes/filenames.php
catalog/admin/includes/boxes/catalog.php
catalog/admin/includes/functions/general.php
catalog/admin/includes/languages/english.php
catalog/admin/includes/languages/english/categories.php

catalog/index.php
catalog/product_info.php
catalog/stylesheet.css
catalog/ext/jquery/star_rating/jquery.rating.css
catalog/ext/jquery/star_rating/jquery.rating.pack.js
catalog/includes/application_top.php.php
catalog/includes/database_tables.php
catalog/includes/filenames.php
catalog/includes/classes/boxes.php
catalog/includes/classes/breadcrumb.php
catalog/includes/functions/general.php
catalog/includes/functions/html_output.php
catalog/includes/languages/english.php

catalog/includes/languages/english/index.php
catalog/includes/languages/english/product_info.php
catalog/includes/modules/product_listing.php
catalog/includes/modules/product_reviews.php
catalog/includes/modules/tell_a_friend.php
catalog/includes/modules/products_tabs.php

2.2.6 Other Languages

If you have languages other than English installed, you will need to make some translations of the languages files in the Distribution. First, copy all of the following files to the directory for your new language:
catalog/admin/includes/languages/english/products_specifications.php
catalog/includes/languages/english/comparison.php
catalog/includes/languages/english/products_filter.php

Next, compare the following files from this Distribution to the corresponding files provided with your new language and copy any defines found in these files to your new language's files:
catalog/admin/includes/languages/english.php
catalog/admin/includes/languages/english/categories.php
catalog/includes/languages/english.php
catalog/includes/languages/english/index.php

Finally, translate all of the defines in the files that you copied to your language. Translate only the part between the last pair of single quotes. Do not translate the part in all caps.

2.3 Database

2.3.1 Possible Conflict

This software package creates a new configuration group. The group number used is 1610. If another modification to your software has already used this number, you will get an error message when trying to update your database. Just edit the `products_specifications.sql` file and change this number in the **configuration_group** and **configuration** tables. See the Troubleshooting section for more information.

2.3.2 Database Update

Add the database SQL statements in the `products_specifications.sql` file using a database manager such as phpMyAdmin or the MySQL command line. If you are using a hosting service, you will find a database management tool in your host's control panel. Please ask your host for help using their tool. If you are using your own server or a test server, phpMyAdmin is provided by most server packages, or it can be easily installed.

3.0 CONFIGURATION

3. CONFIGURATION

This section covers the capabilities of the software. For the details of what the various settings mean, see Section 4.

3.1 Overview

If you haven't already done so, now is the time to think about the details of how you plan to use Products Specifications. There are a large number of options that you can use to customize Products Specifications to your exact needs. I recommend that you read this section through before starting to use these features. A bit of thought up front will save a great deal of time changing things around after you have them all set up.

The relationship between the Specifications and the rest of this software is shown in Figure 1. These relationships are described in the following sections.

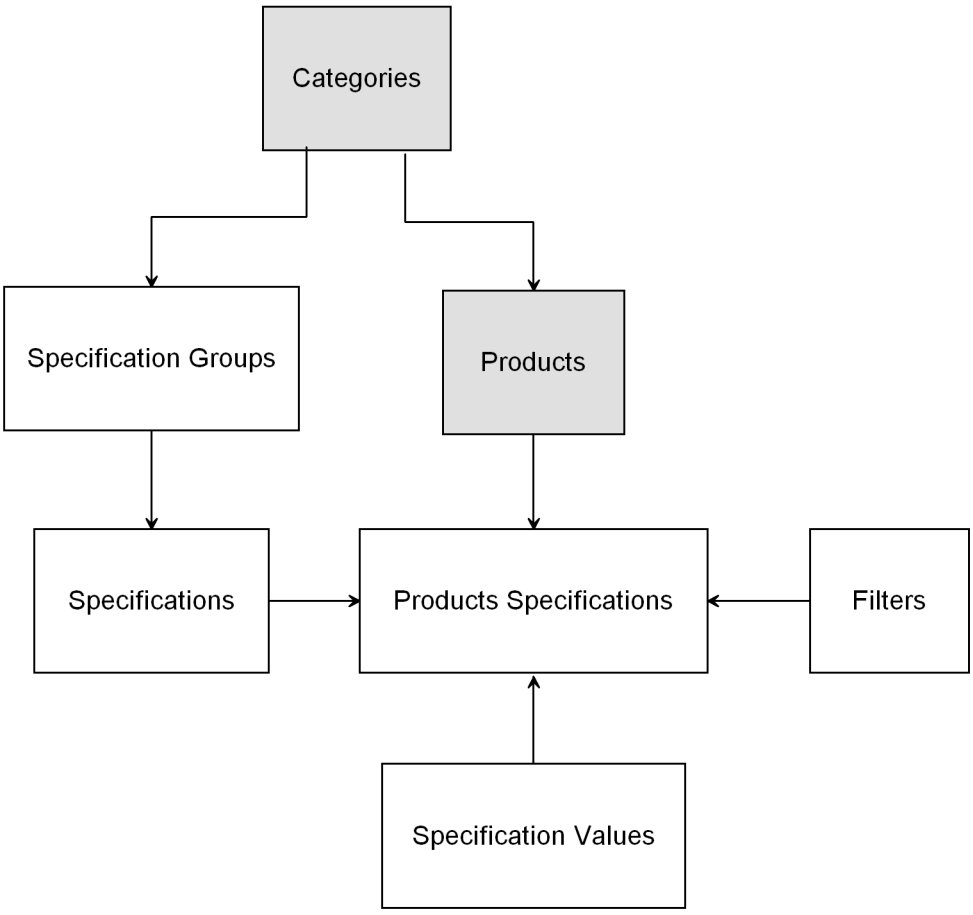


Figure 1

3.2 Product Specifications

Product Specifications are the key to this software. Think of them as similar to existing parameters of your products, like Price and Weight, but much more flexible. The key to setting up and using this software is the correct selection of the Specifications.

- What data concerning your products can be easily summarized in a list on the Product Info page? If your product data normally includes a list of specifications, these would be ideal to use here.
- What data would be useful to your customers in a Product Comparison? This is usually a subset of the specifications associated with your product. Which of these are customers likely to consider important? Which specifications distinguish one product from another product in the same category?
- What data might your customers be looking for a specific value or range of values? This can be specific values that your customer might be interested in, a range of values, values beginning with a letter or number, and much more. See the Filters section for a list of ways these values can be used.

Once you have your Specifications set up, Product Specifications are entered from the New/Edit Product page in your Admin. You will find new entry fields for each applicable Specification right after the Product Description field.

3.3 Specifications

Specifications define the data that can be used to describe your product. Think of them as generic versions of the data that osCommerce already associates with your product, such as Price, Weight, or Description. The difference here is that Product Specifications are not already defined by osCommerce; you need to define what these data fields mean. The Specification is what defines this data and determines how and where it is used.

Consider what specifications you would like to display or use with your products. You will probably need to create Specifications that are relevant to each Category or group of products in your store. For example, you would need a different set of specifications for keyboards than you would need for printers. You may also need a group of Specifications to display on the Product Info page, a subset of these Specifications to show in a Product Comparison page, and a different subset to use as Filters. If your site is complex or you have a large number of products, start making lists of Specifications and where you want to use them.

Most Specifications will contain new data that you enter, but there is also a capability to use the existing data from your products as Specifications. For example, you can have the price data used as a specification so that you can show it as a column on the Comparison page. Similar existing data fields can also be useful as Filters.

3.4 Specification Groups

Specification groups are collections of specifications that are used in a related manner. You may have one or many specifications in a group. The group can be composed of specifications that you want to show on the Product Info page, that you want to use in the Product Comparison table, that you want to use as filters, or any combination of the above.

Specification groups are linked to one or more product categories. You can have a group linked to only one category, so that the specifications in it show only in that category. You can have your group linked to several related categories. You can even have it linked to all categories, so the specifications in it can be used throughout your store.

This allows you to limit the scope of specifications to the areas where they apply. A Specification Group may contain one Specification or many. This allows you to tailor your Specifications to work with the structure of your categories and products.

Keep in mind that multiple Specification Groups can apply to a single product or appear in a single page. It's up to you to design the coverage of these groups to match your store's design and to make it easy to maintain. The idea is to make each Group and it's included Specification(s) cover as many products as possible. If you find yourself duplicating a Group or a Specification in that group, you should probably change the scope of the Group instead, or move the Specification to a new/different Group.

When you set up your Specification Groups, think of the Specifications you plan to put in them and where they will be used. For example, you may want to have a group that includes only a Price specification that will be used as a filter throughout your site. Will one set of filter values work for all of your product categories, or will you need different price ranges for categories that have product of lesser or greater than average price? You may want to set up more than one group for this filter.

You should also consider one Group to contain most of the specifications that apply to each group of products. Grouping all of the Specifications that apply to a specific category of products will make them easier to manage.

This is probably the hardest part of setting up Product Specifications. Once you've got your Groups and the Specifications they contain figured out, everything else will start to fall into place.

3.5 Specification Values

You can set up a limited set of values that you can select from when entering the data for each Product Specification. This eliminates data entry errors that will ruin your filter results and mess up the display of your Product Specification data, and serves as a reminder of what needs to be entered for that Specification. It is also the

only way for multiple values to be set for a given Product Specification. This is best used where the possible values that a Specification can take are limited and known in advance.

3.6 Filters

Specifications can also have Filters attached. Filters allows your customers to view a list of your products that matches the filters that they select. This gives much finer control than a search, so your customers see better results. Filters have the scope of the Specification that they are compared against, so setting up the Specification Groups and the Specifications they contain is the first step to using Filters.

The key to setting up Filters is to select the correct Filter Class and Display Method. Don't use more than one or two Display Methods in your store to avoid confusing your customers. Choose the type to match the data and the way you think your customers will want to look for products. For example, colors can be selected by name through a menu, but color samples as images might be more appealing to your customers.

You should have exactly the same Filter values as you have in your Product Specification if you are doing an Exact match between the Specification and the Filter. For other Filter Classes the values should probably be different. For example, the Filter values for the Range class need to be the maximum value for each Range, which may not correspond to any Product Specification value.

See Table 1 for the acceptable combinations of Filter Class and Display, and 4.2.2.1 for more detailed information on how each Filter Class works.

Table 1.

Filter Setup Matrix								
	Display the Filter as:							
Filter Class	**Pulldown**	**Radio**	**List of Links**	**Text Box**	**Multi-pulldown**	**Check Boxes**	**Images**	**Multi-image**
Exact	Yes	Yes	Yes	*			Yes	
Multiple					*	Yes		Yes
Range	Yes	Yes	Yes	*				
Reverse	Yes	Yes	Yes	Yes				
Start	Yes	Yes	Yes	Yes				
Partial	Yes	Yes	Yes	Yes				
Like	Yes	Yes	Yes	Yes				

*This can be done, but it's probably a bad idea

4. REFERENCE MANUAL

4. REFERENCE MANUAL

This section provides a detailed reference for every option and selection added by this software.

4.1 Configuration Panel

The configuration panel is in your store's Admin area under **Configuration** ⇒ **Products Specifications**. It should look like the example in Figure 2. The use of each item in the configuration will be covered in this section.

Configuration items are broadly assigned to four categories, based on what part of the code they affect:

- **Specification Box:** These modify the behavior of the Specification list on the Product Info page.
- **Comparison Table:** These modify the behavior of the Comparison table and its location.
- **Filters:** These modify the appearance and location of the Filters Module. The Filters Box is set up separately in the Modules section. See section 4.3 for instructions.
- **Feeds:** These specify how Feed values will be output (currently in development.)

There is also a table of each of these items with the default value and a brief definition of what each one does in Appendix A.

4.1.1 Products Info Page

This is just a subheading to identify the settings that apply to the Product Info Page. Subheadings contain no useful settings and cannot be modified.

4.1.2 Minimum Spec Products

This sets the minimum number of Specifications that must appear in the Specification Box on the Products Info page. If there are fewer Specifications than this having values for this product, the box will not show up. This also prevents an empty box from showing on the page if there are no values entered for any of the applicable Product Specifications. Legal values are integers from 0 up.

4.1.3 Show Specification Name

This will show the name of each Specifications before the Specification data in the Specification Box on the Products Info page. The name is set in the Specification setup menu for each Specification. See 4.2.2.1 for more information on the name. Legal values are restricted to True or False.

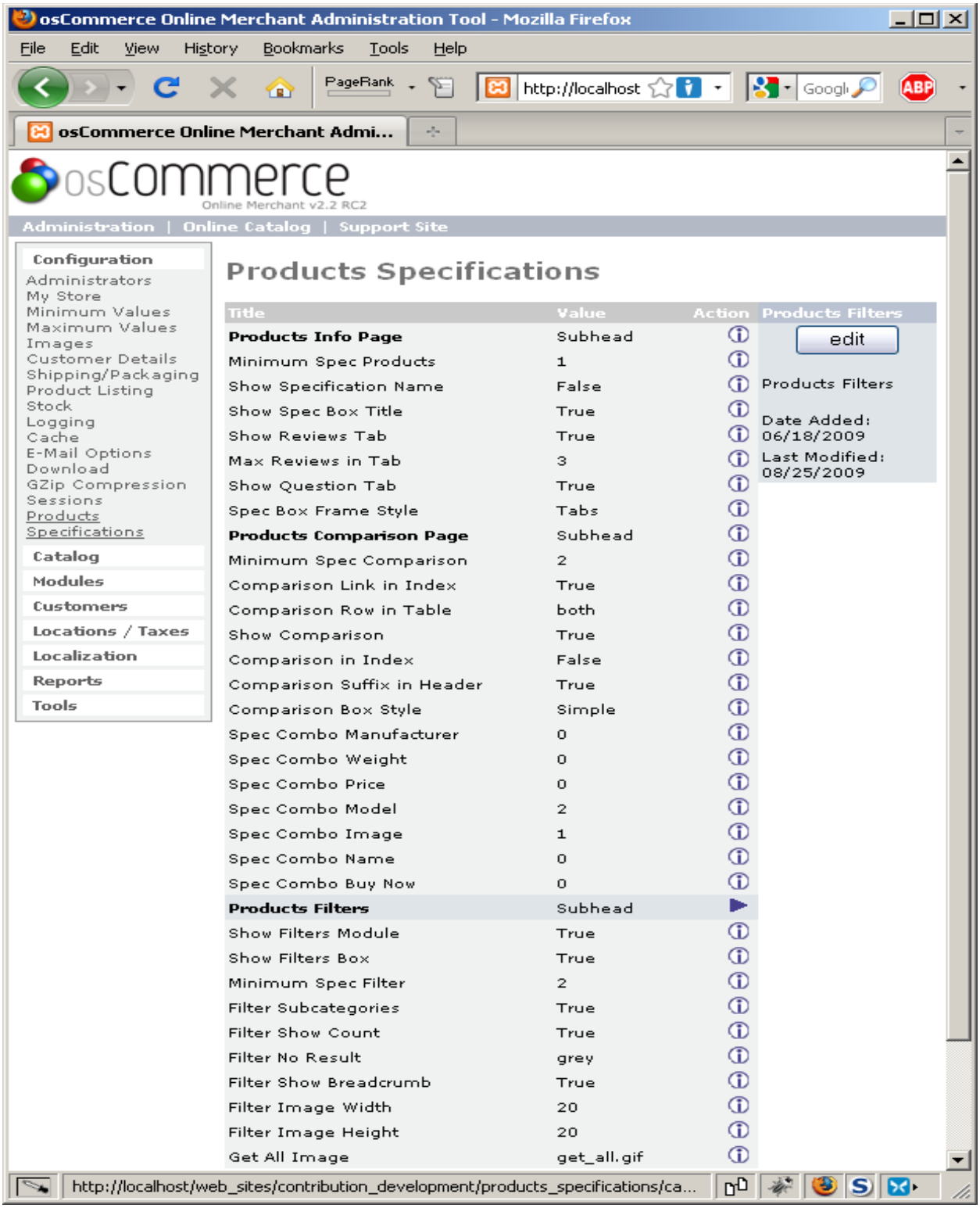


Figure 2.

Products Specifications

4.1.4 Show Spec Box Title

This will show a title above the Specification Box on the Products Info page. The title is set. in the Products Info language file (`catalog/includes/languages/`<language>`/product_info.php`). Legal values are restricted to True or False.

4.1.5 Spec Box Frame Style

The Specification Box on the Products Info page can be shown in four different ways.

4.1.5.1 Stock

The standard osCommerce content box with a heading and title. This has the same appearance as all of the rest of your store's boxes.

4.1.5.2 Simple

The stock osCommerce listing box. This has the same appearance as the Product Listing box on a Category page.

4.1.5.3 Plain

This is an "invisible" box with no border.

4.1.5.4 Tabs

This is a tabbed box with content selected by clicking on the tabs. Tabs are:

- Description. This contains the normal Products Description data.
- Specifications. This contains the Product Specifications. This tab will not be shown if there are no Specifications to show.
- Ask a Question. This contains a basic Contact Us form.
- Six generic fields containing your selection of data. These tabs will not be shown if there is no data to show. The defaults are:
  - Manuals
  - Video
  - Accessories
  - Reviews
  - Warranty
  - Shipping

The name of any of these generic tabs can be changed by editing the language files: `catalog/includes/languages/<language>/product_info.php` and `catalog/admin/includes/languages/<language>/categories.php`.

If Tabs are selected here, the Admin will also show a tabbed interface for entering this data.

4.1.6 Show Accessories Tab

This will show a tab on the Product Info page (if tabs are selected above) showing accessories (cross-sell items) for the current product. This tab requires that the Xsell Addon be installed. See http://addons.oscommerce.com/info/1415.

4.1.7 Mouseover in Accessories Tab

This will activate a styleable mousover effect on products in the Accessories tab when the tab is selected.

4.1.8 Show Image in Accessories Tab

Show the product image in the Accessories tab.

4.1.9 Show Name in Accessories Tab

Show the product name in the Accessories tab.

4.1.10 Show Reviews Tab

This will show a tab on the Product Info page (if tabs are selected above) showing reviews of the current product. A form to add a review will be shown if there are no existing reviews.

4.1.11 Max Reviews in Tab

Set the maximum number of reviews that will show up in the Reviews tab.

4.1.12 Show Question Tab

This will show a tab on the Product Info page (if tabs are selected above) showing the Ask a Question form. This form sends an email to the Store Owner with the customer's name, email, and text. It also shows the current product name and model number.

4.1.13 Show Friend Tab

This will show a tab on the Product Info page (if tabs are selected above) showing the Tell a Friend form. This form sends an email to anyone the customer wishes to send to, with the customer's name, email, and text. It also shows the current product name and model number.

4.1.14 Show Documents Tab

This will show a tab on the Product Info page (if tabs are selected above) showing a list of links to documents (user's manuals, parts diagrams, etc.) that pertain to the current product. The tab is only shown if documents exist. This option requires that

the Document Manager addon be installed. See http://addons.oscommerce.com/info/7005.

4.1.15 Products Comparison Page

This is just a subheading to identify the settings that apply to the Products Comparison Page. Subheadings contain no useful settings and cannot be modified.

4.1.16 Minimum Spec Comparison

The minimum number of Products having Specifications in a category needed for the links to the Comparison page to show up. The default is two, but you can set this higher if you want. Less than two products makes a comparison rather silly, so you probably don't want to do that.

4.1.17 Show Empty Products

Show products in the Comparison table even if they have no Specifications to show. This should usually be set to True only for debugging.

4.1.18 Comparison Link in Index

This shows a link to the Comparison page above the Product Listing table. The location of the link can be changed by editing `catalog/product_info.php`. Values are restricted to True or False.

4.1.19 Comparison Row in Table

This shows a link to the Comparison page in a row of the Product Listing table. The location of the link can be either the first row, the last row, both first and last, or none. Values are restricted to **top**, **bottom**, **both**, or **none**.

4.1.20 Show Comparison

This will show the Comparison table on a separate page. Values are restricted to True or False.

4.1.21 Comparison in Index

This will show the Comparison table in place of the Product Listing on the Category page. Legal values are restricted to True or False.

4.1.22 Comparison Suffix in Header

This will show the suffix for each Specification (if one is set) in the header of the table. If False, the Suffix is shown after each Specification Value in the table. Legal values are restricted to True or False.

4.1.23 Comparison Box Style

The Specification Box on the Products Info page can be shown in three different ways.

4.1.23.1 Stock

The standard osCommerce content box with a heading and title. This has the same appearance as all of the rest of your store's boxes.

4.1.23.2 Simple

The stock osCommerce listing box. This has the same appearance as the Product Listing box on a Category page.

4.1.23.3 Plain

This is an "invisible" box with no border.

4.1.24 Spec Combo Manufacturer

The Spec Combo settings apply to the Combination column (if one is set) in the Comparison table. These settings allow you to have a column with multiple existing values in it. The selected values appear one above another in the order specified by the number entered here. To show the Manufacturer in this column, set this to a number from one to nine. To not show the manufacturer in this column, set the value to zero.

4.1.25 Spec Combo Weight

Similar to the Spec Combo Manufacturer setting above, except this one shows the Product's Weight.

4.1.26 Spec Combo Price

Similar to the Spec Combo Manufacturer setting above, except this one shows the Product's Price.

4.1.27 Spec Combo Model

Similar to the Spec Combo Manufacturer setting above, except this one shows the Product's Model. The default value is 2, so the Model shows below the Image in this column.

4.1.28 Spec Combo Image

Similar to the Spec Combo Manufacturer setting above, except this one shows the Product's Image. The default value is 1, so the Image is shown first, followed by the Model, in this column.

4.1.29 Spec Combo Name

Similar to the Spec Combo Manufacturer setting above, except this one shows the Product's Name.

4.1.30 Spec Combo Buy Now

Similar to the Spec Combo Manufacturer setting above, except this one shows the Buy Now button.

4.1.31 Products Filters

This is just a subheading to identify the settings that apply to the Products Filters. Subheadings contain no useful settings and cannot be modified.

4.1.32 Show Filters Module

This shows the Filters in a box above the Product Listing on a Category page and also above the Filter results on the Filters page. Legal values are restricted to True or False.

4.1.33 Filters Module Frame Style

The Filters Module can be shown in three different ways.

4.1.33.1 Stock

The standard osCommerce content box with a heading and title. This has the same appearance as all of the rest of your store's boxes.

4.1.33.2 Simple

The stock osCommerce listing box. This has the same appearance as the Product Listing box on a Category page.

4.1.33.3 Plain

This is an "invisible" box with no border.

4.1.34 Filter Subcategories

This will return results from subcategories (if any exist) for every filter.

4.1.35 Filter No Result

This controls how a filter is displayed when the filter would result in zero products being displayed. Values are:

4.1.35.1 Normal

The filter is shown the same as a filter that will return results. If a customer selects this filter, they will see an error message. This message can be changed in `catalog/includes/languages/<language>/products_filter.php`.

4.1.35.2 Grey

The filter is shown greyed out and is disabled. A customer can see the filter value but cannot select it.

4.1.35.3 None

The filter is not displayed at all. This may leave gaps in your filter list if you are using a continuous set of values as filters. If all filters would return no results, no filters would be shown.

4.1.36 Filter Show Breadcrumb

This shows the name of every filter that has been selected in the Breadcrumb trail, with an [X] that can be clicked to remove that filter. Values are restricted to True or False.

4.1.37 Filter Image Width

The width of an image used as a filter, in pixels. Default is 20, but this could be smaller to fit more in, or larger to show more detail. See the Stylesheet settings in 4.4 for more settings that affect Filter images.

4.1.38 Filter Image Height

The height of an image used as a filter, in pixels. Default is 20, but this could be smaller to fit more in. See the Stylesheet settings in 4.4 for more settings that affect Filter images.

4.1.39 Get All Image

The name of an image that will be displayed as the Show All selection when the Filter is displayed as images. This image must be manually uploaded to the `catalog/images/` directory of your store.

4.1.40 Products Feeders

This is just a subheading to identify the settings that apply to the Products Feeders. Subheadings contain no useful settings and cannot be modified. Note: This feature is under development, and is not usable at this time.

4.2 Catalog Panel

The catalog panel is located in your store Admin under **Catalog ⇒ Products Specifications**. This is where most of the setup is done. The initial page is shown in Figure 3.

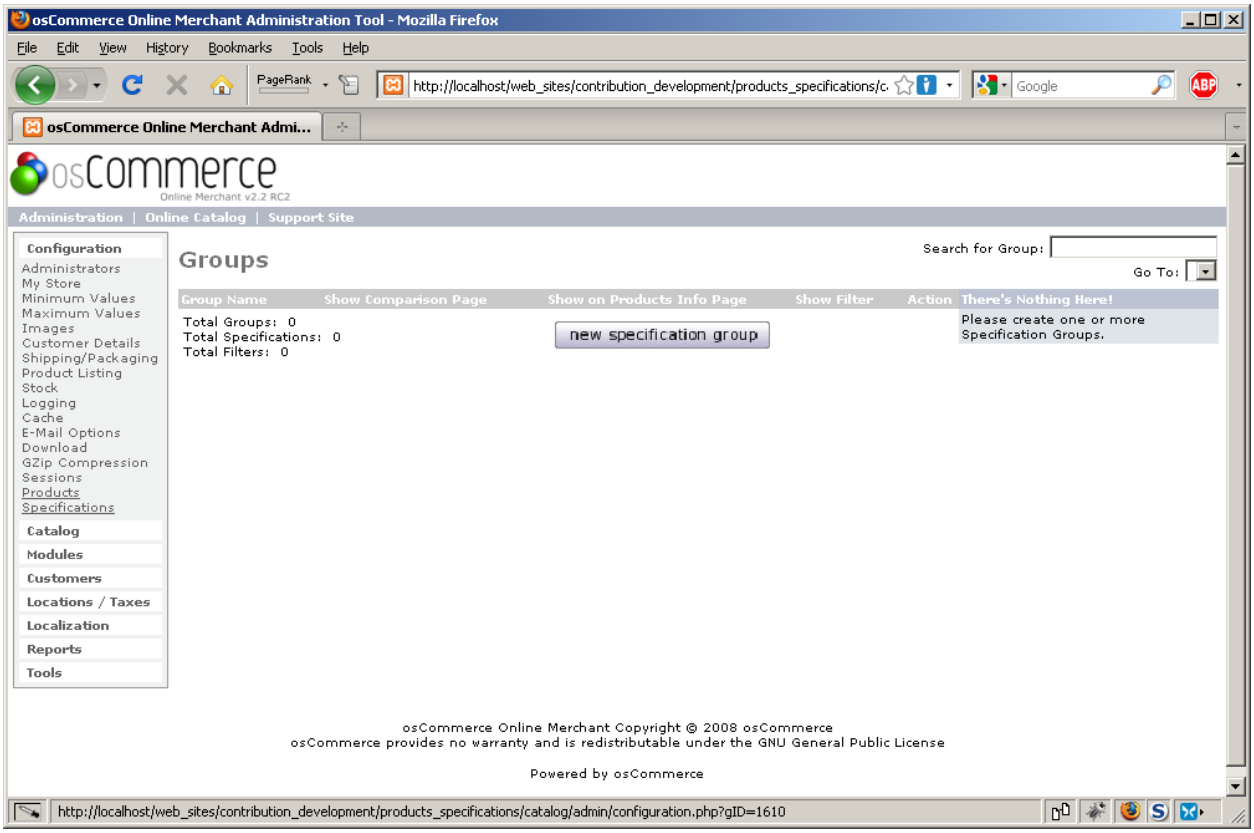


Figure 3.

4.2.1 Specification Groups

Specification Groups contain one or more Specifications and are linked to one or more Categories.

4.2.1.1 Create a Specification Group

Click on the **new specification group** button to create a new group. The form fields are:

- **Group Name:** Give your specification group a name. This name is only used to identify this group in your admin, so make the name whatever will remind you of what is in this group.
- **Show Comparison Page:** Show this group on the Product Comparison page. This allows you to turn the entire group off if it's not something you want to see in the Product Comparison. You can also do this at the individual specification level if you prefer.
- **Show on Products Info Page:** Show this group on the Product Info page.
- **Show Filter:** Show this group in the Filters box.

- **Use in Feeder:** Use this group to output a feeder file.

Click the **save** button when you are finished. Repeat these steps for as many specification groups as you want.

4.2.1.2 Edit a Specification Group

If you need to make changes, click on the name of the Specification group to highlight it and click the **edit** button. The editing process is the same as in 3.3.1 above.

If you only need to change the **Show Comparison Page**, **Show on Products Info Page**, or **Show Filter** settings, you can do that by clicking on the red or green light under the appropriate heading.

4.2.1.3 Delete a Specification Group

Click on the name of the Specification group to highlight it and click the **delete** button, then click **delete** again. Note that this permanently deletes the group and any specifications, product data, filters, and specification values attached to this group.
Warning: Backup your database before doing a large delete, just in case you want some of that data back later.

4.2.1.4 Copy a Specification Group

Click on the name of the Specification group to highlight it and click the **copy** button. You have the choice of copying any specifications, product data, filters, and specification values attached to this group by checking the appropriate box(es). It would be a good idea to change the name of the group if nothing else. If you want to make this exact Specification Group apply to another Category, use *Link to a Product Category* below instead.

4.2.1.5 Link to a Product Category

This allows you to link your specification group to one or more product categories. Highlight your group, click the **link** button, and select the product category that you want to link it to. You can repeat this operation for as many product categories as you want to link to.

4.2.1.6 Link to all Product Categories

This allows you to link your specification group to all of the product categories in your store. Highlight your group and click the **link all** button. This will not duplicate links if you already have categories linked from this group.
Hint: If you want to link to most of your categories but not all of them, it may be quicker to use **link all** and then **unlink** the ones you don't want.

4.2.1.7 Unlink a Product Category

This is the delete function for links. Highlight your group, click the **unlink** button, and select the product category that you want to remove the link to. You can repeat this operation for as many product categories as you want to remove.

4.2.1.8 Unlink all Product Categories

This allows you to delete the link from your specification group to all product categories that it is currently linked to. Highlight your group and click the **unlink all** button.

4.2.2 Specifications

To see a list of Specifications in this Specification Group, click on the yellow file icon to the left of the name of your Specification Group. This brings you to the Specifications window.

4.2.2.1 Create a New Specification

The first step is to create your first Specification in this Group. Click on the **new specification** button to get started. This brings up a form that allows you to set the following:

- **Specification Name:** Give your specification a name. This name is used throughout the catalog side of your store to identify this specification. You will need to enter this name for each of the languages in your store.
- **Specification Description:** Give your specification some descriptive text. This is currently used only on the Products admin page as instructions or hints on entering the data there. You need only enter this text in the box for your store's admin language, unless your admin needs more than one language.
- **Specification Prefix:** This allows you to specify text that will appear just before your specification data.
- **Specification Suffix:** This allows you to specify text that will appear just after your specification data (and optionally in the header of the Comparison Table.) This should always be used for units of measure.

  Hint: It's a good idea to keep your data as clean as possible. If there is any part of a specification that is repeated every time the specification is seen, that text should be stored in a Prefix or Suffix. This makes your data easier to enter and manage, and it makes filters work properly on the real data.

- **Sort Order:** It's usually important to present your specifications in a specific order (and it's essential for most filter types.) Use numbers here to arrange your Specifications. I prefer to skip a few numbers between each entry, just in case I need to add a new value in between later. Also see the Sort button under the Edit Specifications section below.

- **Justification:** This is used to present your data correctly. The standard is for text to be Left justified, images to be Centered, and numbers to be Right justified. Use whatever looks good to you in your application.
- **Use Existing Database Field:** This allows you to use the data entered in other Product data fields. This is useful for columns in the Comparison table and for Filters. The choices are pulled from your store's *products* and *products_description* database tables, plus a couple of special options. The normal values are:
  - None. You will be prompted to enter the data for each product that this Specification applies to.
  - Combination. This is a special field that is set up in the Configuration panel. See 4.1.11 through 4.1.17 for setup details. This should only be used in the Comparison table.
  - Buy Now - Show the Buy Now button.
  - Products Quantity - Show the Quantity for this product.
  - Products Model - Show the model.
  - Products Image - Show the image (Small image size)
  - Products Price - Show the price.
  - Products Weight - Show the weight.
  - Manufacturer - Show the manufacturer's name.
  - Products Name - Show the name of the product.
- **Show Comparison Page:** Show this Specification on the Product Comparison page. This allows you to turn the specification off if it's not something you want to see in the Product Comparison. You can also do this at the specification group level if you prefer.
- **Show on Products Info Page:** Show this Specification on the Product Info page.
- **Show Filter:** Show this Specification in the Filters box.
- **Filter Class:** This determines how the filter data is applied. The options should allow you to tailor a filter to just about any need. The classes are:
  - No Filter. This specification will not be used with a filter. You will not be able to add filter data to this specification.
  - Exact. This filter performs an exact match between the filter and the product specification. Probably the most common use. Examples: Manufacturer, Model.
  - Multiple. This is an exact match, but the customer may select more than one item to match. This can be implemented as a multiselect pulldown or a set of checkboxes. Examples: Colors, Styles.

  - Range. This matches all values in the selected range. Examples: Price $100-$200, Processor Speed 2-4GHz..
  - Reverse. This is the Range class in reverse. The customer would select a single item, but the products have a range of values, so any products that include the customer's selection in their range would show up. Example: I select the model year 1996 for my truck, and get a part that fits 1995-2000 models.
  - Start: This performs a partial match on the first part of the Specification data. The customer selects a single string and gets all products that start with that string. Example: The customer selects A and gets all books whose title starts with A.
  - Partial. This performs a partial match on any part of the data: It's the same as Start except the string can be anywhere in the data. Example: The customer enters part of an author's name and gets all authors whose name contains that string. Note that this is similar to a search, except we are limiting it to a single specification and not the general product description.
  - Like. This uses a Soundex filter to match words that sound similar. This could be used in place of the Partial class for better (?) results for searches where customers can't spell. From looking at my search logs, that's most of them.
- **Filter Show All:** This adds an All option to the set of filters. It allows your customer to back up when this filter doesn't return the results that they want.
- **Display the Filter as:** This controls the way that your filters are displayed to your customer. To avoid confusing your customers, use only one or two of these for any group of filters that will be seen together. The choices are:
  - None. This Specification will not be used as a filter.
  - Pulldown. The filter values will be presented in a standard pulldown box. Only one option can be selected. The filter will execute as soon as an option is selected unless Javascript is disabled, in which case a button will be provided to submit the filter.
  - Radio Buttons. The filters will be presented as a series of buttons. Only one option can be selected. The filter will execute as soon as a button is clicked unless Javascript is disabled, in which case a button will be provided to submit the filter.
  - List of Links. The filters will be presented as standard links. Only one option can be selected. The filter will submit as soon as a link is clicked.
  - Text box. The customer can enter any valid text. The entered text is scrubbed to remove any control characters or special characters that would interfere with the results. This should be used only with filter classes that can tolerate incorrect filter data. A button will be provided to submit the filter.

  - Multi-Pulldown. Similar to a pulldown box, but the customer can select multiple filters from the list. This type should generally be avoided as it is confusing to customers.
  - Check Boxes. The filters will be presented as a series of check boxes. Any number of options can be selected. A button will be provided to submit the filter.
  - Images. The filters will be presented as a series of images. Only one image can be selected. The filter will execute as soon as an image is clicked unless Javascript is disabled, in which case a button will be provided to submit the filter.
  - Multi-image. The filters will be presented as a series of images. Any number of images can be selected. A button will be provided to submit the filter.
- **Enter Specification Values as:** This controls the way the Specification data is entered in the Admin Products page. You can use this to limit the data to specific values and to eliminate typos that would ruin Filters and Comparisons. **NOTE**: Use of one of the multi-select types here is the only way to enter multiple values for a single product. The choices are:
  - Text Box. This is the default text entry field. Any value may be entered, but only one value per Specification per Product. **Warning:** A Text Box will also be shown if any other type is selected but no Specification Values are entered.
  - Pulldown. The Specification values will be presented in a standard pulldown box.
  - Radio Buttons. The Specification values will be presented as a series of buttons.
  - Multi-Pulldown. Similar to a pulldown box, but you can select multiple Specification values from the list for a single product. Avoid this type unless the person entering data is well trained on how to use it.
  - Check Boxes. The Specification values will be presented as a series of check boxes. Any number of options can be selected for a single product.
  - Image. Similar to Radio Buttons, except there will be images instead of text. Only one image can be selected.
  - Multi-image. Similar to Check Boxes, except there will be images instead of text. Any number of options can be selected.

Click the **save** button when you are finished. Repeat these steps for as many specifications as you want.

4.2.2.2 Edit a Specification

If you need to make changes, click on the name of the Specification to highlight it and click the **edit** button. The editing process is the same as in 3.3.2.1 above.

4.2.2.3 Delete a Specification

Click on the name of the Specification to highlight it and click the **delete** button, then click **delete** again. Note that this permanently deletes the specification and any product data, filters, and specification values attached to this Specification.
Warning: Backup your database before doing a large delete, just in case you want some of that data back later.

4.2.2.4 Copy a Specification

Click on the name of the Specification to highlight it and click the **copy** button Select the new Specification Group that you want to copy to and click the **copy** button. This will create an exact copy of this specification and any product data, filters, and specification values attached to it. It would be a good idea to change the name of the Specification copy after doing this. If you want an exact copy of a Specification, you should probably change the scope of the Specification Group it belongs to instead, or move it to a different Group.

4.2.2.5 Move a Specification

Click on the name of the Specification to highlight it and click the **move** button Select the new Specification Group that you want to move this Specification to and click the **move** button. This will move this specification and any product data, filters, and specification values attached to it.

4.2.2.6 Working with Another Specification Group

Once you have added all of the Specifications that you want in this group, click on the back button to go back to the Specification Group page.

4.2.3 Filters

Filters are used to create a custom selection of products based on the filter criteria..

To start, click on the yellow file icon to the left of the name of your Specification. This brings you to the Filters window. **NOTE:** You will only be able to see the icon if the Specification and the Specification Group it is in have *Show in Filter* set to True (Green) and *Filter Class* and *Display the Filter as* in the Specification are set to something other than None.

4.2.3.1 Create a New Filter

The first step is to create your first Filter in this Group. Click on the **new filter** button to get started. This brings up a form that allows you to set the following:

- **Filter:** Give your Filter a name. This name is used throughout the catalog side of your store to identify this Filter. You will need to enter this name for each of the languages in your store.
- **Filter Sort Order:** Most filters must be presented in the proper order to work correctly, or so that customers can easily find the correct filter. **Hint:** Skip a few numbers between each Filter to allow room for future Filters to be added.

Warning: Giving two or more Filters the same number, or failing to give them a number, will cause some of your filters to disappear.

Repeat this process as many times as you need to add all of the filters for this Specification.

4.2.3.2 Edit a Filter

If you need to make changes, click on the name of the Filter to highlight it and click the **edit** button. The editing process is the same as in 3.3.3.1 above with one exception: the Sort button. The Sort button will sort all of the filters in this Specification in alphanumeric order. **Note:** This won't work well for things like colors that are not inherently alphanumeric in order. It's mostly useful for long imported lists.

4.2.3.3 Delete a Filter

Click on the name of the Filter to highlight it and click the **delete** button, then click **delete** again. This permanently deletes the Filter.

4.2.3.4 Copy a Filter

Click on the name of the Filter to highlight it and click the **copy** button Select the new Specification that you want to copy this Filter to and click the **copy** button.

4.2.3.5 Move a Filter

Click on the name of the Filter to highlight it and click the **move** button Select the new Specification that you want to move this Filter to and click the **move** button.

4.2.3.6 Working with Another Specification

Once you have added all of the Filters that you want in this Specification, click on the back button to go back to the Specification page.

4.2.4 Specification Values

Specification Values are used to set the values that a Specification may have. They will appear in a selection menu on the Admin Products page..

To start, click on the blue file icon to the left of the name of your Specification. This brings you to the Specification Values window. **NOTE:** You will only be able to see the icon if the Specification has *Enter Specification Values as:* set to something other than Text Box.

4.2.4.1 Create a New Specification Value

The first step is to create your first Specification Value for this Specification. Click on the **new value** button to get started. This brings up a form that allows you to set the following:

- **Specification Value:** Give your Specification Value a value. This value is only used in the Admin Products menu as a value to be selected for this Specification.
- **Specification Value Sort Order:** It will be easier to enter product data if your Specification Values are in the proper order. **Hint:** Skip a few numbers between each Value to allow room for future Values to be added. **Warning:** Giving two or more Values the same number, or failing to give them a number, will cause some of your values to disappear.

Repeat this process as many times as you need to add all of the Specification Values for this Specification.

4.2.4.2 Edit a Specification Value

If you need to make changes, click on the name of the Specification Values to highlight it and click the **edit** button. The editing process is the same as the New Specification Value process above.

4.2.4.3 Delete a Specification Value

Click on the name of the Specification Value to highlight it and click the **delete** button, then click **delete** again. Note that this permanently deletes the Specification Value.

4.2.4.4 Copy a Specification Value

Click on the name of the Specification Value to highlight it and click the **copy** button Select the new Specification that you want to copy this Specification Value to and click the **copy** button.

4.2.4.5 Move a Specification Value

Click on the name of the Specification Value to highlight it and click the **move** button Select the new Specification that you want to move this Specification Value to and click the **move** button.

4.2.4.6 Working with Another Specification

Once you have added all of the Specification Values that you want in this Specification, click on the back button to go back to the Specification page.

4.3 Products Panel

The Products panel is located in your store Admin under **Catalog ⇒ Categories / Products**. This is your normal page for entering Products and Categories. There will now be some new fields in the Product pages, depending on how you have set up your Specifications.

4.3.1 Use Existing Database Field:

Any Specification that has this set won't show up as a new Product Specification field. There's already a place on this page to enter that information.

4.3.2 Product Specification Field.

Most of your new Product Specifications will show up as a new data field in your Products panel. They may be simple text boxes or any other data entry field type, depending on how you set them up in your Specifications. The new fields are grouped together, just after the Product Description fields. If you have Spec Box Frame Style set to Tabs, these fields will be shown when you click the Specifications tab. **NOTE:** Since the Product Specifications are generic, you will need to enter a value for each language in your store, even if your data is numeric.

4.4 Filters Box

The filters box setup is in the box modules area with the rest of your boxes. Go to your store Admin under **Modules ⇒ Boxes**, click on the Install button, then set the following fields to suit your needs. **Note**: There is also a filters module that appears in the center part of the page, if you want your filters to show there instead of in a column.

4.4.1 Enable Filter Box Module

Turns the box on and off. Note that the box will not show even if it is turned on here if there is not at least one valid filter to show. Values are restricted to *True* or *False*.

4.4.2 Content Placement

Show the box in the left or right column. Values are restricted to *Left Column* or *Right Column*.

4.4.3 Sort Order

Sets the position of the box in whichever column was selected above. Leaving this set to zero may cause problems with the column display.

4.4.4 Minimum Spec Filter

Sets the minimum number of filters needed for the box to show up. This means valid filters that would select products in the current category, so just having this many filters will not necessarily cause the box to show.

4.4.5 Filter Show Count

Show the number of products that the filter would return. Like the product counts in the categories box, this uses a lot of database resources. It may not be practical to show counts in a large store.

4.4.6 Filter No Result

What to show for a filter that would return no result. *Normal* looks like a standard filter but cannot be clicked. *Grey* leaves the filter greyed out so that it can still be seen but cannot be clicked. The appearance of the greyed—out filters can be changed in the stylesheet (see 4.5.1.5.) *None* removes the filter from the list.

4.5 Stylesheets

There are additions to the stylesheets in both the Catalog and Admin sides. These allow formatting of some of the new elements added by this software.

4.5.1 Catalog Stylesheet

The catalog side stylesheet is at `catalog/stylesheet.css`. If you are using the Tabs interface in your Product Info page, there are additional stylesheet selections in `catalog/style_tabs.css`. See 4.4.2 below for those styles.

4.5.1.1 ul.specification_box

The `ul.specification_box` class styles the list of Specifications on the Product Info page, and on the Admin side for the Product Preview. The default just increases the line spacing a bit. You can add your own styles to modify this list. Changes should be made to both stylesheets to keep the Preview looking like the real Product page.

4.5.1.2 option, optgroup

The `option, optgroup` settings style the options for the pulldown, radio, and checkbox selections. `optgroup` is used for disabled selections, to prevent the customer from selecting them.

4.5.1.3 img.image_filter

The `img.image_filter` class sets the appearance of images used as filters. Each property is described in the stylesheet file. Changes should be made to both stylesheets to keep the Admin images looking like the Filter images.

4.5.1.4 filter_count

This styles the product count numbers after the filter, if these are enabled. The default simply turns off the font styling of the selects.

4.5.1.5 no_results

This styles the "greyed—out" selections that are disabled, if that option is selected. The default is set to, well, grey.

4.5.1.6 close

This styles the [X] used as a close box for Filters in the Breadcrumbs, if that option is selected. The default is 75% of the Breadcrumb height and raised four pixels above the baseline.

4.5.1.7 img.image_filter

This is used to style the images used as filters. The properties are explained in the comments in the stylesheet.

4.5.1.8 specs_box

This is used to style the table surrounding the Specification box (or Tabs) on the Product Info page. The main use is to set the width of the box.

4.5.1.9 variantsBlock

This is used to style the box containing the Product Options in the alternate `product_info.php` in the Extras folder. The default is not used.

4.5.1.10 variantsBlockTitle

This is used to style the title of the Product Options in the alternate `product_info.php` in the Extras folder. The default sets the font and size.

4.5.1.11 variantsBlockData

This is used to style the data in the Product Options in the alternate `product_info.php` in the Extras folder. The default only sets the alignment.

4.5.1.12 productInfoKey

This is used to style the Price label in the alternate `product_info.php` in the Extras folder. The default sets the font and size.

4.5.1.13 productInfoValue

This is used to style the Price text in the alternate `product_info.php` in the Extras folder. The default sets the font and alignment.

4.5.1.14 productInfoPrice

This is used to style the Price in the alternate `product_info.php` in the Extras folder. The default sets the font and alignment.

4.5.2 Admin Stylesheet

The catalog side stylesheet is at `catalog/admin/includes/stylesheet.css`. If you are using the Tabs interface in your Product Info page, there are additional stylesheet selections in `catalog/admin/includes/style_tabs.css`. See 4.4.4 below for those styles.

4.5.2.1 iul.specification_box

This is the same as 4.4.1.1 above. It should be kept the same to keep the Preview looking the same as the Product Info page.

4.5.2.2 img.image_filter

This is the same as 4.4.1.3 above. It should be kept the same to keep the Preview looking the same as the Product Info page.

4.5.2.3 image_box

This is used in the Admin only to provide formatting for the Image select box. Each property is described in the stylesheet file. Note: This styles the box outside the *img.image_filter* shown above.

4.6 Additional Options

Not all options can be controlled from the Admin. This section covers some additional options that are provided with this package.

4.6.1 Alternate Product Info Page

There is an alternate to `catalog/product_info.php` in the Extras folder. This page was designed to look like the osCommerce 3.0a5 page. You can make any changes that you like to this page, but keep in mind that the tabbed content box needs to stay by itself inside its nested DIVs.

4.7 Testing

Once you have your data entered, or at least a representative sample, you should test all of the appropriate pages to see if everything is working correctly.

4.7.1 Product Info Pages

Look at your Product pages that should have Specifications attached (if you are using this feature.) Does the Specifications box show up under the description? Are the correct specifications showing, with the correct values? If not, correct your settings until this looks right. If you are having problems, use the troubleshooting guide in Section 5 to find the problem.

Also look at some products that should not have specifications (if any) to verify that an empty box doesn't show up.

4.7.2 Product Comparison

Check the product comparison table for all Product Categories that should have one. Also check that the link to the table doesn't show where it shouldn't. Again, correct your settings until this looks right. If you are having problems, use the troubleshooting guide in Section 5 to find the problem.

4.7.3 Filters

Check that the filters box or module shows on the pages that it should, and that each Filter shows up when it should. Test each filter to verify that it's delivering the correct results. Again, correct your settings until this looks right. If you are having problems, use the troubleshooting guide in Section 5 to find the problem.

4.7.4 Feeders

Check that the filters box or module shows on the pages that it should, and that each Feeder shows up when it should. Test each feeder to verify that it's delivering the correct results. Again, correct your settings until this looks right. If you are having problems, use the troubleshooting guide in Section 5 to find the problem.

5. TROUBLESHOOTING

5. TROUBLESHOOTING

If you are having problems with your installation, check this section first. If you don't find your problem here, search the osCommerce support forum thread. If you still can't find a solution, post a question in that thread.

5.1 Database Errors

There is very little that can go wrong with applying the SQL changes to your database. If you don't know how to do this, ask your hosting service for instructions, or search the osCommerce help forum if you are self-hosted. This question has been answered many times.

5.1.1 #1062 - Duplicate entry '1610' for key 'PRIMARY'

This is caused by a previous addon to osCommerce using the same **configuration_group_id** as Products Specifications. You will need to edit the `products_specifications.sql` file: Change all instances of the value 1610 in the `configuration_group` and `configuration` tables in the SQL file, then apply the changed lines again.

Use a value that has not already been used in your database. Look at the **configuration_group_id** column in your **configuration_group** table to find out which values have already been used. Be careful to use the same new value throughout.

Appendix A: ADMIN CONFIGURATION PANEL

A. ADMIN CONFIGURATION PANEL

These settings can be found in your Admin panel under **Configuration => Products Specifications.** See Section 4.1 for more detailed information on the use of these settings.

Table 5.

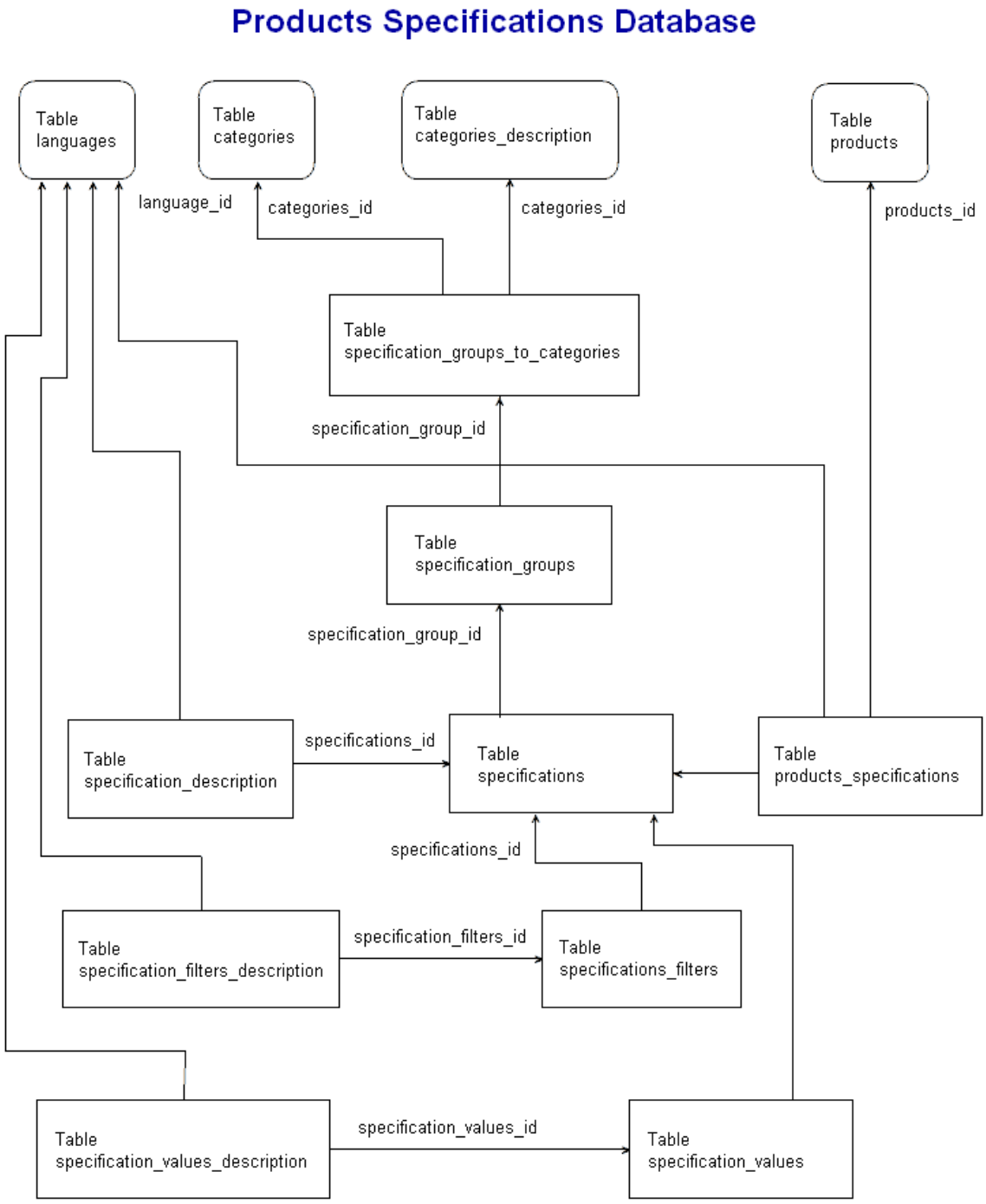
Title	Definition	Default
Products Info Page	Subheading	—
Minimum Spec Products	The minimum number of specifications needed to have the Specifications box show up on the Product Info page	2
Show Specification Name	Show the name of the specification in the box on the Product Info page	True
Show Spec Box Title	Show the title above the Specifications box on the Product Info page	True
Spec Box Frame Style	Show the Specifications in a standard box (Stock), a simple outline box (Simple), or no box (Plain) on the Product Info page	Simple
Show Accessories Tab	Show the Accessories (Cross-sell) tab. Requires the cross-sell (Xsell) Addon.	False
Mouseover in Accessories Tab	Change the border color on mouseover in the Accessories (Cross-sell) tab	True
Show Image in Accessories Tab	Show the products image in the Accessories (Cross-sell) tab	True
Show Name in Accessories Tab	Show the name of the product in the Accessories (Cross-sell) tab	True
Show Reviews Tab	Show the Reviews tab	True
Max Reviews in Tab	The maxmum number of reviews that can show in the Reviews tab	3
Show Question Tab	Show the Ask a Question tab	True
Show Friend Tab	Show the Tell a Friend tab	TRUE
Show Documents Tab	Show the More Info (Documents download) tab	True
Products Comparison Page	Subheading	—
Minimum Spec Comparison	The minimum number of products having specifications needed to have the Comparison page show up for a Category	2
Show Empty	Show products that have no specification data	True

Title	Definition	Default
Products		
Comparison Link in Index	Show a link to the Comparison page on the Index page	True
Comparison Row in Table	Show a link to the Comparison page in the Products list on the Index page (At the top of the page, at the bottom, or both)	both
Show Comparison	Show the Comparison table in a separate page (Set this and the following to False to turn off the Comparison)	True
Comparison in Index	Show the Comparison table instead of the Products list in the Index page	False
Comparison Suffix in Header	Show the Suffix in the Comparison table header (True), Otherwise in each field (False)	True
Comparison Box Style	Show the Specifications in a standard box (Stock), a simple outline box (Simple), or no box (Plain)	Simple
Spec Combo Manufacturer	Show the Manufacturer in a special combo box (0 = No, 1-9 = Sort Order)	0
Spec Combo Weight	Show the Weight in a special combo box (0 = No, 1-9 = Sort Order)'	0
'Spec Combo Price	Show the Price in a special combo box (0 = No, 1-9 = Sort Order)	0
Spec Combo Model	Show the Model number in a special combo box (0 = No, 1-9 = Sort Order)	2
Spec Combo Image	Show the Image in a special combo box (0 = No, 1-9 = Sort Order)	1
Spec Combo Name	Show the Products Name in a special combo box in the Comparison table (0 = No, 1-9 = Sort Order)	0
Spec Combo Buy Now	Show the Buy Now button in a special combo box in the Comparison table (0 = No, 1-9 = Sort Order)	0
Products Filters	Subheading	—
Show Filters Module	Show the Filters module in the center column (main part of the page)	True
Filters Module Frame Style	Show the Filters module on the page in a standard box (Stock), a simple outline box (Simple), or no box (Plain)	Stock
Filter Subcategories	Include subcategories in the filter results	True
Filter Show Count	Show a count of the number of products that the filter would return	True
Filter No Result	What to show for a filter that would return no result	normal

Table 5 continued.

Title	Definition	Default
Filter Show Breadcrumb	Show currently applied filters in the Breadcrumb trail with option to remove	True
Filter Image Width	Set the width of the images displayed as filters in the filter box (in pixels)	20
Filter Image Height	Set the height of the images displayed as filters in the filter box (in pixels)	20
Get All Image	The image to show for the Get All filter when using images	get_all.gif
Products Feeders	Subheading	—

Appendix B: DATABASE DIAGRAM



Boxes with round corners are existing osCommerce tables. All others are new.

Figure B1

Appendix C: Data Feeds

C. DATA FEEDS

Data feeds supply data from your store to third parties (e.g. Google Base.) These feeds require very specific data in a specific format.

This is a work in progress. Feeds will be completed in a future edition.

Appendix D: GENERAL PUBLIC LICENSE

D. GENERAL PUBLIC LICENSE

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

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